

Appl. No. : 10/075,059  
Filed : February 11, 2002

8. AC connection apparatus, comprising:  
a main body;  
at least one power terminal for accepting an electrical signal from an AC power source;  
at least one conductor coupled with said at least one power terminal and electrically connected to a circuit board;  
a ground terminal for accepting a ground signal from said AC power source; and  
a ground conductor grounded through a wire and having a first conductive element coupled with said ground terminal and a second conductive element disposed proximate to said main body;  
wherein the free end of said second conductive element has an aperture for accommodating a bare end of said wire and a projecting plate inclined at an elevation angle with said second conductive element, said projecting plate adapted for fastening said bare end, said projecting plate having a width slightly less than that of said aperture.

#### REMARKS

Claims 1 – 6 were pending in the application. By this paper, Applicant has cancelled Claims 4, 5 and 6 without prejudice, amended Claim 1, and added new independent Claims 7 and 8. Accordingly, Claims 1, 2, 3, 7 and 8 are presented herein for examination. Replacement sheets for the foregoing claims as amended are also provided herewith.

In view of the foregoing amendments and the following remarks, reconsideration of the present patent application is respectfully requested. All of the foregoing amendments are supported by the specification of the present invention, and therefore no new matter added herein.

Applicant acknowledges the Examiner's indication that Claim 4 is objected to as dependent upon a rejected base claim, but would be allowable if rewritten in independent form, including all of the limitations of the base claim and any intervening claim. In this regard, Claim 1 now incorporates the limitations of Claim 4, which is indicated as allowable by the Examiner. For at least those reasons, amended Claim 1 is patentable over the art of record.

**Appl. No.** : **10/075,059**  
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New independent Claims 7 and 8 are similar to Claim 1 as amended herein; accordingly, Applicant respectfully submits that these new Claims are in condition for allowance also.

Based on the foregoing, Applicant respectfully requests that the case be passed to issuance at the earliest opportunity.

Applicant notes that any amendments, cancellations, or additions made herein are made solely for the purposes of more clearly and particularly describing and claiming the invention, and not for purposes of overcoming art or for patentability. The Examiner should infer no (i) adoption of a position with respect to patentability, (ii) change in the Applicant's position with respect to any claim or subject matter of the invention, or (iii) acquiescence in any way to any position taken by the Examiner, based on such amendments or additions not otherwise explicitly discussed.

If the Examiner has any questions or comments that may be resolved over the telephone, he is requested to call the undersigned at (858) 675-1670.

Respectfully submitted,

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Replacement Sheets for Claims in U.S. Patent No. 10/075,059

WHAT IS CLAIMED IS:

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1. A structure of an AC inlet, comprising a main body, at least one power terminal for accepting an electrical signal from an AC power source, at least one power pin coupled with said at least one power terminal and electrically connected to a circuit board, a ground terminal for accepting a ground signal from said AC power source, and a ground pin grounded through a wire and having a first strip coupled with said ground terminal and a second strip essentially parallel with a surface of said main body, characterized in that:

the free end of said second strip has a notch for accommodating a bare wire end of said wire and a projecting plate inclined at an elevation angle with said second strip, said projecting plate is pressed downwards for fastening said bare wire end, and the width of said projecting plate is slightly less than that of said notch.

2. The structure according to claim 1 wherein said elevation angle is from 20 to 50 degrees.

3. The structure according to claim 2 wherein said elevation angle is from 30 to 45 degrees.

4.-6. [Cancelled]

7. A structure of an AC inlet, comprising a main body means, at least one terminal means for accepting an electrical signal from an AC power source, at least one power pin coupled with said at least one terminal means and electrically connected to a circuit board, a ground means for accepting a ground signal from said AC power source, and a ground pin grounded through a conductor and having a first conductive means coupled with said ground terminal and a second conductive means essentially parallel with a surface of said main body means, characterized in that:

the free end of said second conductive means has means for accommodating a portion of said conductor and a capture means inclined relative to said second conductive means, said capture means being movable downwards for fastening said portion of said conductor, said capture means being received in said means for accommodating.

8. AC connection apparatus, comprising:

a main body;

at least one power terminal for accepting an electrical signal from an AC power source;

at least one conductor coupled with said at least one power terminal and electrically connected to a circuit board;

a ground terminal for accepting a ground signal from said AC power source; and

a ground conductor grounded through a wire and having a first conductive element coupled with said ground terminal and a second conductive element disposed proximate to said main body;

wherein the free end of said second conductive element has an aperture for accommodating a bare end of said wire and a projecting plate inclined at an elevation angle with said second conductive element, said projecting plate adapted for fastening said bare end, said projecting plate having a width slightly less than that of said aperture.